

SAFETY DATA SHEET

2556100 Plextol B-500

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This safety datasheet complies with the requirements of Regulation (EC) No. 830/2015

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Version	Revision Date:	Date of last issue: 10.12.2018
1.8	17.07.2019	Date of first issue: 24.05.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : PLEXTOL B 500

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-
stance/Mixture : Raw material
Industrial use

1.3 Details of the supplier of the safety data sheet

Company : Deffner & Johann GmbH
Mühläckerstr. 13
97520 Röthlein

Telephone : +441469573361

E-mail address of person
responsible for the SDS : info@deffner-johann.de

1.4 Emergency telephone number

Emergency telephone number(Mo-Fr-, 08:00-15:00) +49 09723 9350-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Additional Labelling

EUH208 Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Polymer
aqueous dispersion

Hazardous components

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Get medical attention if symptoms occur.
Show this safety data sheet to the doctor in attendance.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact : Wash off immediately with soap and plenty of water.
Remove contaminated clothing. If irritation develops, get medical attention.
Wash contaminated clothing before reuse.

In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

If swallowed : If accidentally swallowed obtain immediate medical attention.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Repeated or prolonged exposure may cause irritation of eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Not combustible.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : The pressure in sealed containers can increase under the influence of heat.

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment.

Further information : The product itself does not burn.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Prevent further leakage or spillage if safe to do so.

Large spills should be collected mechanically (remove by pumping) for disposal.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Pick up and transfer to properly labelled containers.

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Clean contaminated floors and objects thoroughly while observing environmental regulations.

Dispose of in accordance with local regulations.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Wear personal protective equipment.

For personal protection see section 8.

Avoid inhalation, ingestion and contact with skin and eyes.

Do not use in areas without adequate ventilation.

Smoking, eating and drinking should be prohibited in the application area.

Hygiene measures : Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.

Keep in properly labelled containers.

Store between 5 and 35 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

Do not freeze.

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters, below limit for consideration

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Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Ammonia, aqueous solution	Workers	Skin contact	Short term, Systemic toxicity	68 mg/kg
	Workers	Inhalation	Short term, Systemic toxicity	47.6 mg/m ³
	Workers	Inhalation	Short term, Local effects	36 mg/m ³
	Workers	Skin contact	Long term, Systemic toxicity	68 mg/kg
	Workers	Inhalation	Long term, Systemic toxicity	47.6 mg/m ³
	Workers	Inhalation	Long term, Local effects	14 mg/m ³
	Consumers	Skin contact	Short term, Systemic toxicity	68 mg/kg
	Consumers	Inhalation	Short term, Systemic toxicity	23.8 mg/m ³
	Consumers	Ingestion	Short term, Systemic toxicity	6.8 mg/kg
	Consumers	Inhalation	Short term, Local effects	7.2 mg/m ³
	Consumers	Skin contact	Long term, Systemic toxicity	68 mg/kg
	Consumers	Inhalation	Long term, Systemic toxicity	23.8 mg/m ³
	Consumers	Ingestion	Long term, Systemic toxicity	6.8 mg/kg
	Consumers	Inhalation	Long term, Local effects	2.8 mg/m ³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Ammonia, aqueous solution	Fresh water	0.0011 mg/l
	Marine water	0.0011 mg/l
	Intermittent use/release	0.0068 mg/l

8.2 Exposure controls

Engineering measures

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

Hand protection

Material : Nitrile rubber

Break through time : 480 min

Glove thickness : 0.1 - 0.4 mm

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- Remarks : Protective gloves complying with EN 374. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Skin and body protection : not required under normal use
Skin should be washed after contact.
Remove and wash contaminated clothing before re-use.
- Respiratory protection : not required under normal use
- Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

Environmental exposure controls

General advice:

The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid, aqueous dispersion
- Colour : white
- Odour : ester-like
- Odour Threshold : not determined
- pH : 9.5 - 10 (20 °C)
- Melting point/freezing point : not determined
- Boiling point : not determined
- Flash point : Not applicable
- Evaporation rate : not determined
- Flammability (solid, gas) : The product is not flammable.
- Upper explosion limit : Not applicable
- Lower explosion limit : Not applicable
- Vapour pressure : ca. 23 hPa (at 20 °C)
- Relative vapour density : not determined

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Relative density	:	ca. 1.07
Solubility(ies)		
Water solubility	:	insoluble, completely miscible, in all proportions
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	not determined
Viscosity		
Viscosity, dynamic	:	1,100 - 4,500 mPa s (20 °C)
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable

9.2 Other information

: No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

10.4 Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

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Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Further information

Product:

Remarks: **No data is available on the product itself.**

Information given is based on data on the components and the toxicology of similar products.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

Physico-chemical removability : 98 %
Method: OECD Test Guideline 302
Remarks: The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

12.4 Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)..

: This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB)..

12.6 Other adverse effects

Product:

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Additional ecological information : This product has no known ecotoxicological effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : In accordance with local and national regulations.

The product should not be allowed to enter drains, water courses or the soil.

Waste water from subsequent processing should be given appropriate treatment in line with local regulations.

Contaminated packaging : In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number

Not dangerous goods

14.2 UN proper shipping name

Not dangerous goods

14.3 Transport hazard class(es)

Not dangerous goods

14.4 Packing group

Not dangerous goods

14.5 Environmental hazards

Not dangerous goods

14.6 Special precautions for user

Remarks : Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations:
Other regulations
not determined

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15.2 Chemical safety assessment

Not applicable

SECTION 16: Other information

Full text of other abbreviations

Further information

Other information : This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Classification procedure:
Calculation method

This data sheet contains changes from the previous version in section(s):

8. Exposure controls/personal protection

Sources of key data used to compile the Safety Data Sheet

Information taken from reference works and the literature.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not

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Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

GB / EN